## **Subject: Computer Science**

Year:	7
Length of	Not required.
exam:	
Topics /	•
skills being	
assessed:	
Best	•
sources for	
revision:	

Year:	8
Length of	Not required.
exam:	
Topics /	•
skills being	
assessed:	
Best	•
sources for	
revision:	

Year:	9
Length of	Not required.
exam:	
Topics /	•
skills being	
assessed:	
Best	•
sources for	
revision:	

Year:	10 (Computer Science only)
Length of	1.5 hrs
exam:	
Topics /	Component 1 of the Computer Science specification
skills being	
assessed:	
Best	CGP book, Craig & Dave's You tube channel, Seneca Learning, BBC Bitesize
sources for	
revision:	

## Subject: Drama

Year:	7
Length of	Paper 1 – Theory Paper 1hr
exam:	Paper 2 – Acting Paper 5 to 10min extract to perform.
Topics /	The Twits
skills being	As a performer how you would act in one of the roles in the extract and why.
assessed:	As a director how you tell the actor, lighting, sound, wardrobe, set managers to stage the extract and why.
	As either a lighting, sound, set, costume technician what would you do to stage the extract and why.
	Acting exam learn lines
Best	• SMHW
sources for	Revision Keyword Booklets
revision:	BITESIZE

Year:	8
Length of	Paper 1 – Theory Paper 1hr
exam:	Paper 2 – Acting Paper 5 to 10min extract to perform.
Topics /	The Terrible Fate of Humpty Dumpty
skills being	As a performer how you would act in one of the roles in the extract and why.
assessed:	As a director how you tell the actor, lighting, sound, wardrobe, set managers to stage the extract and why.
	As either a lighting, sound, set, costume technician what would you do to stage the extract and why.
	Acting exam learn lines
Best	• SMHW
sources for	Revision Keyword Booklets
revision:	BITESIZE

Year:	9
Length of	Paper 1 – Theory Paper 1hr
exam:	Paper 2 – Acting Paper 5 to 10min extract to perform.
Topics /	Blood Brothers/ Jekyll and Hyde
skills being	As a performer how you would act in one of the roles in the extract and why.
assessed:	As a director how you tell the actor, lighting, sound, wardrobe, set managers to stage the extract and why.  As either a lighting, sound, set, costume technician what would you do to stage the extract and why.  • Acting exam learn lines
Best	• SMHW
sources for	Revision Keyword Booklets
revision:	BITESIZE

Year:	10
Length of	Paper 1.5HRS
exam:	

Topics /	DNA by Dennis Kelly	
skills being	• Theatre review notes (Blood Brothers/Bouncers) You are allowed to take in	
assessed:	500wrds.	
Best	REVISE EDEXCEL DRAMA GUIDE	
sources for	DNA – The play guide	
revision:	• SMHW	
	• BITEZSIZE	

### **Subject: English**

Year:	7
Length of	1 hour 45 minutes
exam:	
Topics /	<ul> <li>Explorations in creative reading and writing. An extract and a series of</li> </ul>
skills being	questions in the style of a KS3 AQA English Language will be provided. This
assessed:	exam is based on the skills gained, practiced and revised throughout this
	academic year.
Best	AQA KS3 English Language Year 7 Workbook
sources for	SMHW will have targeted homework tasks to prepare students set by their class
revision:	teacher

Year:	8
Length of	1 hour 45 minutes
exam:	
Topics /	Explorations in creative reading and writing. An extract and a series of
skills being	questions on Animal Farm in the style of a KS3 AQA English Language will be
assessed:	provided. The exam is based on the skills gained, practiced and revised
	throughout this academic year.
Best	AQA KS3 English Language Year 8 Workbook
sources for	York notes: Animal Farm by George Orwell
revision:	SMHW will have targeted homework tasks to prepare students set by their class
	teacher

Year:	9
Length of	1 hour 45 minutes
exam:	
Topics /	<ul> <li>Explorations in creative reading and writing. This exam is in the style of a KS4</li> </ul>
skills being	AQA English Language Paper 1
assessed:	
Best	AQA Year 9 English Language Year 9 Workbook
sources for	SMHW will have targeted homework tasks to prepare students set by their class
revision:	teacher

Year:	10
Length of	1 hour 45 minutes
exam:	
Topics /	Explorations in creative reading and writing. This will be an English Language
skills being	Paper 1 past paper.
assessed:	
Best	Target Grade 9 Writing AQA GCSE (9-1) English Language Workbook
sources for	Target Grade 5 English Language Writing
revision:	A bundle of Literature and Language revision books are available on ParentPay at
	a heavily discounted price.
	SMHW will have targeted homework tasks to prepare students set by their class
	teacher

## Subject: Geography

Year:	7						
Length of	2 exams 1hr each						
exam:							
Topics / skills	What is Geography						
being	Physical						
assessed:	Human						
	Environmental						
	Mapskills						
	Compass points						
	Direction						
	Symbols						
	Grid Reference						
	Grid Reference     Scale						
	Relief- Contours, spot height and layer shading						
	Settlement						
	Location factors						
	• Function						
	Patterns-linear, nucleated and dispersed						
	Urban Models						
Doot courses	House types						
Best sources	http://www.bbc.co.uk/education/subjects/zrw76sg						
for revision:	Doddle						
	YouTube link						
	Remote access to resources in a particular folder on the school network						
	Revision Guide						
	Work available via SMHW						
	<a href="https://www.ordnancesurvey.co.uk/mapzone/">https://www.ordnancesurvey.co.uk/mapzone/</a>						
	<ul> <li>http://www.bbc.co.uk/bitesize/ks3/geography/spaces/settlement_urban/revision/2/</li> </ul>						
Year:	8						
Length of	2 times 60 minutes						
exam:							
Topics / skills	Industry Employment Sectors – primary, Secondary, Tertiary						
being	Farming in the UK						
assessed:	Industrial Location Factors						
	Longitude and Latitude						
	Continents & Oceans						
	Weather & Climate- types of rainfall- frontal, relief, convectional, weather systems						
	High and low pressure systems						
	Population & Migration						
Best sources	Class book						
for revision:	Homework book						
	Bitesize KS3 Weather & Climate:						
	https://www.bbc.com/education/guides/zw9qtfr/revision/1						
	https://www.bbc.com/education/guides/zjk7hyc/revision						
	Farming: <a href="https://www.bbc.com/education/guides/zy6gq6f/revision">https://www.bbc.com/education/guides/zy6gq6f/revision</a>						
	Population: https://www.bbc.com/education/guides/zkg82hv/revision						
	Longitude & Latitude: https://www.bbc.com/education/guides/ztqtyrd/revision						
	District of Terror of Terr						

Year:	9					
Length of exam:	2 times 50 minutes					
Topics / skills being	Rivers- Water cycle, River Profile, Upper, middle, lower Courses, Bangladesh					
assessed:	Flooding					
	Ecosystems					
	Tropical Rainforests- Location, climate, structure, adaptation characteristics,					
	deforestation					
	Hot Deserts					
Best sources for	Classwork books					
revision:	Homework books					
	Rivers: https://www.bbc.com/education/topics/zs92tfr					
	•					

Year:	10						
Length of	1hour 30 mins						
exam:							
Topics /	The Challenge of Natural Hazards						
skills being	Climate Change						
assessed:	Global Warming						
	UK Extreme Weather						
	Tropical Storms						
	Tectonics						
	Effects						
	Volcanoes & Earthquakes						
	Living World						
	Rainforests						
	Hot Deserts						
	• Coasts						
	• Rivers						
Best sources	http://www.bbc.co.uk/education/guides/zwcfxsg/revision						
for revision:	Doddle						
	YouTube link						
	http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/energy_resources/global_warmingrev3.shtml						
	Remote access to resources on the school network						
	<ul> <li>http://www.bbc.co.uk/schools/gcsebitesize/geography/ecosystems/</li> </ul>						
	Revision Guide						
	Work available via SMHW						
	Class notes						
	•						

## **Subject: History**

Year:	7		
Length of	Paper 1 – 30 minutes		
exam:	Paper 2 – 1 hour		
Topics /	Living conditions in towns and villages in Medieval England.		
skills being	Black Death.		
assessed:	Peasants Revolt		
	Spanish Armada		
	Causes of English Civil War.		
Best	• SMHW		
sources for	Bitesize		
revision:	KS3 History websites.		

Year:	8		
Length of	Paper 1 – 30 minutes		
exam:	Paper 2 – 1 hour		
Topics /	Living conditions in Industrial towns (19 <sup>th</sup> Britain)		
skills being	Cholera		
assessed:	Suffragettes		
	Causes of WWI.		
Best	• SMHW		
sources for	Bitesize		
revision:	KS3 History websites.		

Year:	9
Length of	Paper 1 – 30 minutes
exam:	Paper 2 – 1 hour
Topics /	Black Death
skills being	• AIDS
assessed:	Native Americans
	Decline of British Empire – India, Malaya and Kenya
	East Germany – post WWII
Best	• SMHW
sources for	Bitesize
revision:	KS3 History websites.

Year:	10
Length of	Paper 1: People's Health c.1250 to present day.
exam:	Paper 2: The Elizabethans.
Topics /	As above
skills being	
assessed:	
Best	Detailed revision booklets provided on SMHW.
sources for	<ul> <li>Pupils assessments throughout the year – plastic wallet available from staff.</li> </ul>
revision:	

## Subject: Maths

Year:	7					
Length of	2 lessons					
exam:	1 lesson = non calculator					
	1 lesson = calculator					
Topics /	Year 7 topics					
skills	<b>Understanding</b>	Multiply	Add and	<b>Operations</b>	<u>Fractions</u>	Ratio and
being	Numbers	<u>and</u>	<u>Subtract</u>	and special	Order	<u>Proportion</u>
assessed:	Ordering and	<u>Divide</u>	Integers.	<u>numbers</u>	fractions	Compound
	place value.	Integers.	Decimals.	Order of	Fractions of	measures.
	Calculating	By 10,100	Negatives.	operations.	amount.	Use and
	with fractions.	and 1000.	Fractions.	Multiples	Problem	convert
	Rounding and	Decimals.	Collect like	and	solving	metric
	estimating.	Negatives.	terms.	Factors.	<u>Percentages</u>	measures.
	Negative	Fractions.	Term-to-	Primes.	Percentage	Scale
	numbers.	Simplify	term	Powers	of amount.	factors and
		fractions.	sequences.	and roots.	Percentage	maps.
			Perimeters.	Standard	change.	Simplify
			Angles	form.	Reverse	and divide
			sum.		percentages.	by a ratio.
					Financial	Proportion
					problems.	problem
					Fraction,	solving eg;
					Decimal and	conversion,
					percentage	scaling,
B					conversion	mixing etc
Best	• vle.math					
sources for	· ·	_	nchamcollege			
revision:		eyourpasswo	ra )			
revision.	Doddle  (i. Altringle are Callege of Arts)					
	(i: Altrincham College of Arts					
	<ul><li>u: SchoolLogIn p: 'altrinchamarts' )</li><li>Flash cards available from Miss Whitworth for £1 to make notes from your</li></ul>					
	exercise book.					
	Corbett Maths					
	www.corbettmaths.com					
	- Videos					
		- Practice papers and questions - Revision cards, and more!				
	- 1/6/12101	i caras, aria i	1016:			

Year:	8
Length of	2 lessons
exam:	1 lesson = non calculator
	1 lesson = calculator
Topics /	Year 7 (see above) and year 8 topics
skills	
being	
assessed:	

_	Numeracy	Numeracy	<u>Solve</u>	Ratio and	Coordinates	<u>Inequalities</u>	_
	revision	revision	Solve	proportion	and Graphs	Understand	
	Multiply	Prime	linear	Simplify and	Plot	what an	
	integers and	factorisation.	equations	divide by a	coordinates	inequality	
	decimals.	Compound	with x on	ratio.	in all 4	is.	
	4	measures.	one side	Ratio to	quadrants.	Plot on a	
	operations	<u>Sequences</u>	and on	fractions	Plot straight	number	
	negative	Mapping.	both	and linear	line graphs.	line.	
	numbers.	Nth rule.	sides,	functions.	Understand	Solve an	
	HCF and	Special	Construct	Proportion	gradients and	inequality	
	LCM	sequences.	and solve	problem	intercepts	equation.	
	Expressions,	Recognise	equations	solving eg;	including	<mark>Stretch and</mark>	
	<u>formulae</u>	quadratic	in	conversion,	parallel and	<mark>challenge</mark>	
	<u>and</u>	sequences.	problems.	scaling,	perpendicular	Algebraic	
	identities	<u>Substitution</u>	Change	mixing etc	lines.	proof	
	Identify	Substitute	the	<u>Percentages</u>	Interpret		
	different	into	subject of	Percentage	simple real		
	types of	expressions.	a formula.	of amount.	life graphs		
	algebra.	Pythagoras	Stretch Stretch	Percentage	Stretch and		
	Collect like	theorem.	and	change.	<u>challenge</u>		
	terms.	Stretch and	<u>challenge</u>	Reverse	Plot		
	Expand and	<mark>challenge</mark>	Solve	percentages.	quadratic		
	factorise	Inverse and	quadratic	Financial	graphs and		
	brackets.	composite	equations	problems.	use to solve		
	Expand	functions.	with		and find		
	binomials.		factorising		turning point.		
	Index laws		and the		Interpret		
	Stretch and		quadratic		real-life		
	challenge		formula.		graphs.		
	Simplify				Including		
	surds				distance,		
	Simplify				speed and		
	algebraic				acceleration.		
	fractions.						
	Factorise						
	quadratics.						
Best	• vle.ma	athswatch					_

### sources for revision:

(u: School Log In@altrinchamcollege

p: 'changeyourpassword')

#### • Doddle

(i: Altrincham College of Arts

u: SchoolLogIn p: 'altrinchamarts')

- Flash cards available from Miss Whitworth for £1 to make notes from your exercise book.
- **Corbett Maths**

www.corbettmaths.com

- Videos
- Practice papers and questions
- Revision cards, and more!

Year:	9				
Length of	Full AQA Foundation GCSE paper				
exam:	Paper 1 non-calculator 1hr30m				
	Paper 2 Calculator 1hr30m				
	Paper 3 Calculator 1hr30m				
Topics / skills being assessed:	Angle Facts - Video 38, 30, 34, 39 Types of Angle - Video 38 Angles in a Triangle - Video 36 Angles in a Charles - Video 37 Angles in a Charles - Video 38 Angles in Polygors - Video 32 Bearings - Video 26, 27 Perimeter - Video 241 Area of a Tropazium - Video 48 Linits - Video 37 Angles in a Charles - Video 37 Area of a Tropazium - Video 48 Linits - Video 37 Line Symmetry - Video 316 Constructions - Video 37 Constructions - Video 37 Constructions - Video 37 Constructions - Video 37 Sules and Elevations - Video 317 Constructions - Video 37 Sules and Elevations - Video 38 Surface Area - Video 304 Speed, Distince, Time - Video 39 Density - Video 385 Timetables - Video 385 Timetables - Video 385 Timetables - Video 385 Torostorior - Video 385 Torostorior - Video 385 Torostorior - Video 385 Torostorior - Video 385 Solation - Video 385 Torostorior - Video 385 Torostorior - Video 385 Torostorior - Video 385 Torostorior - Video 386 Area of a Circle - Video 59 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 61 Circumference - Video 61 Circumference - Video 66 Circumference - Video 65 Tropationer - Video 59 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 61 Circumference - Video 66 Circumference - Video 66 Circumference - Video 67 Torostorior - Video 58 Area of a Sector - Video 48 Area of a Sector - Video 48 Expanding Brackets - Video 117 Foreions - Video 128 Expanding Brackets - Video 117 Foreions - Video 290 Density - Video 380 Reverse Percentages - Video 240 Ratio - Video 290 Reverse - Video 290 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 61 Circumference - Video 61 Circumference - Video 61 Circumference - Video 60 Area of a Circle - Video 59 Volume of a Cylinder - Video 59 Volume of a Cylinder - Video 61 Circumference - Vide				
Best sources for revision:	<ul> <li>vle.mathswatch         <ul> <li>(u: SchoolLogIn@altrinchamcollege</li> <li>p: 'changeyourpassword')</li> </ul> </li> <li>Doddle         <ul> <li>(i: Altrincham College of Arts</li> <li>u: SchoolLogIn p: 'altrinchamarts')</li> </ul> </li> <li>Flash cards available from Miss Whitworth for £1 to make notes from your exercise book.</li> <li>Corbett Maths         <ul> <li>www.corbettmaths.com</li> </ul> </li> <li>Videos</li></ul>				

Year:	10
Length of	Full AQA GCSE paper
exam:	Paper 1 non-calculator 1hr30m

#### Paper 2 Calculator 1hr30m Paper 3 Calculator 1hr30m

# Topics / skills being assessed:

#### **Foundation**

Angle Facts - Video 35, 30, 34, 39 Types of Angle - Video 38 Angles in Parallel Lines - Video 25 Angles in a Triangle - Video 37 Angles in a Quadrilateral - Video 33 Angles in Polygons - Video 32 Bearings - Videos 26, 27 Perimeter - Video 241 Area of Rectangles/Triangles - Videos 45, 49 Area of a Trapezium - Video 48 Units - Videos 347, 349 Line Symmetry - Video 316 Rotational Symmetry - Video 317 Constructions - Videos 72, 78, 83 Loci - Videos 75, 76, 77 Faces, Edges, Vertices - Videos 5, 3 Views and Elevations - Video 354 Surface Area - Video 310 Speed, Distance, Time - Video 299 Density - Video 384 Pressure - Video 385 Timetables - Video 320 Distance Charts - Video 318 Volume of a Cuboid - Video 355 Volume of a Prism - Video 356 Translations - Video 325, 326 Reflections - Videos 272, 273 Rotations - Video 275 Enlargements - Videos 104, 105, 107 Parts of the Circle - Video 61 Circumference - Video 60 Area of a Circle - Video 59 Volume of a Cylinder - Video 357 Pythagoras - Video 257 ometry - Videos 329, 330, 331 Exact Trig Values - Video 341 Arc Length - Video 58 Area of a Sector - Video 46 Similar Shapes (sides) - Video 292 Congruent Shapes - Video 67 Volume of a Sphere/Cone - Videos 359, 361 Surface area of Sphere/Cone - Videos 313, 314

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## GCSE Foundation Tier

Multiplication - Video 199, 200 Division - Video 98 Addition - Video 6 Subtraction - Video 304 Rounding - Video 276, 277a, 277b, 278 Estimation - Video 215 Using Calculations - Video 222a BODMAS - Video 211 Ordering Decimals/Fractions - Video 95, 144 Arithmetic with Decimals - Videos 90, 91, 92, 93, 94 Multiples and Factors - Videos 220, 216 Prime Numbers - Video 225 Square Numbers and Square Roots - Videos 226, 228 Cube Numbers and Cube Roots - Videos 212, 214 Product of Primes - Video 223 LCM/HCF - Videos 218, 219, 224 Indices - Videos 172, 174 Negative Indices - Video 175 Standard Form - Video 300, 302, 303 Fractions of Amounts - Video 137 Corbett moths Adding Fractions - Video 133 Multiplying Fractions - Video 142 Dividing Fractions - Video 134 Fractions, Decimals, Percentages - Vide Percentages of Amounts - Videos 234, 235 Compound Interest - Video 236 Reverse Percentages - Video 240 Ratio - Videos 269, 270, 271, 271a, 271b, 271c Currency - Video 214a Recipes - Video 256 Negative Numbers - Videos 205-209 Place Value - Video 222 Function Machine - Video 386 Best Buys - Video 210 Error Intervals - Video 377 Proportion - Videos 255a, 254 Use of a Calculator - Video 352

v Trees - Video 376 Two-way Tables - Video 319 Pictograms - Videos 161 162 Bar Charts - Videos 147, 148 Frequency Polygons - Videos 155, 156 Line Graphs - Video 160 Pie Charts - Video 163, 164 Probability - Videos 245, 246, 248 Listing Outcomes - Video 253 Scatter Graphs - Videos 165 to 168 Mode - Video 56 Median - Video 50 Mean - Video 53 Range - Video 57 Estimated Mean - Video 55 Venn Diagrams - Video 380 Tree Diagrams - Video 252 Reading Tables - Video 387 Coordinates - Video 84 Writing Expressions - Video 16 Collecting Like Terms - Video 9 Multiplying Terms - Video 18 Sequences - Videos 286, 287, 290 The nth Term - Video 288 Expanding Brackets - Videos 13, 14 Factorising - Video 117 Factorising Quadratics - Videos 118, 120 Solving Equations - Video 110, 113 Forming Equations - Videos 114, 115 Inequalities - Videos 177, 178, 179 Conversion Graphs - Video 151 Drawing Linear Graphs - Video 186 y = mx + c - Video 191 Parallel graphs - Video 196 Substitution - Video 20
Changing the Subject - Video 7
Simultaneous Equations - Video 295
Quadratic Graphs - Video 264
Cubic Graphs - Video 344 Reciprocal Graphs - Video 346

#### Higher

Adding Fractions - Video 133 Multiplying Fractions - Video 142 Dividing Fractions - Video 134 Estimation - Video 215 Best Buys - Video 210 Currency - Video 214a Conversion Graphs - Video 151, 152 LCM/HCF - Videos 218, 219 Indices - Videos 172, 174 Indices (fractional/negative) - Videos 173, 175 Standard Form - Videos 300, 301, 302, 303 Percentages of Amounts - Videos 234, 235 Percentage change - Video 233 Compound Interest - Video 236 Reverse Percentages - Video 240 Recurring Decimals to Fractions - Video 96 Ratio - Videos 270, 271, 271a, 271b, 271c Direct Proportion - Video 254 roportion - Video 255 Limits of Accuracy - Videos 183, 184 Surds - Videos 305, 306, 307, 308 Product Rule for Counting - Video 383 Error Intervals - Video 377 Collecting Like Terms - Video 9 Expanding a Bracket - Video 13 Expanding 2/3 Brackets - Videos 14, 15 Factorising - Video 117 Factorising Quadratics - Videos 118, 119, 120 Algebraic Fractions - Videos 21, 22, 23, 24
Sequences (nth term) - Videos 288, 289
nth term (quadratics) - Video 388
Substitution - Video 20 Equations - Videos 110, 113, 114, 115 Changing the Subject - Videos 7, 8 Inequalities - Videos 177, 178, 179 Inequalities - Videos 177, 178, 179
Inequalities (Regions) - Video 182
Quadratic Inequalities - Video 378
Linear Graphs - Videos 191, 186, 189, 194 Parallel or Perpendicular Lines - Videos 196, 197 Simultaneous Equations - Video 295/298

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## GCSE Higher Tier AQA Checklist 9<sup>1</sup>



Anales in Parallel Lines - Video 25, 39 Video 26, 27 Angles in Polygons - Video 32 Constructions - Video 78, 72, 79, 80, 70 Loci - Videos 75, 76, 77 Area of a Trapezium - Video 48 Circumference - Video 60 Area of a Circle - Video 40 Arc Length - Video 58 Area of a Sector - Video 48 Volume of a Cylinder - Video 357 Pythagoras - Video 257, 259 Trigonometry - Videos 329, 330, 331 3D Trig and Pythagoras - Videos 259, 332 Exact Trig Values - Video 341 Volume of a Prism - Video 356 Volume of Cone/Pyramid/Sphere - Videos 359-361 Surface Area of a Prism - Video 311 Surface Area of Cone/Sphere - Videos 314, 313 Translations - Video 325 Reflections - Video 272 Rotations - Video 275 Enlargements - Videos 104, 106, 107, 108 Similar Shapes - Videos 292, 293a, 293b Circle Theorems - Videos 64, 65 Sine Rule - Video 333 Cosine Rule - Videos 335, 336 1/2abSinC - Video 337 Vectors - Video 353 Travel Graphs - Video 171 Speed, Distance, Time - Video 299 Density - Video 384

Pressure - Video 385
Geometric Proof - Video 366
Congruent Triangles - Video 67
Tryoniant Points - Video 392

Frequency Trees - Video 376
Two-way Tables - Video 319
Pie Charts - Videos 163, 164
Scatter Graphs - Videos 165, 166
Histograms - Video 157, 158, 159
Frequency Polygons - Videos 155, 156
Cumulative Frequency - Videos 153, 154
Box Plots - Video 149
Estimated Mean - Video 55
Tree Diagrams - Video 252
Conditional Probability - Video 247
Venn Diagrams - Video 380

Equation of a Circle - Video 12
Equation of a tangent - Video 372
Instantaneous rates of change - Video 390a
Average rates of change - Video 390b
Area under a curve - Video 389
Composite Functions - Video 369
Quadratic Graphs - Video 369
Quadratic Graphs - Video 264
Trigonometric Graphs - Video 346
Exponential Graphs - Video 346
Exponential Graphs - Video 365
Quadratic Formula - Video 365
Quadratic Formula - Video 267
Completing the Square - Video 10, 371
Transformations of Graphs - Video 323
Iteration - Video 373

Best
sources for
revision:

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#### • Doddle

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- Revision cards, and more!

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Online self marking practice papers

• Mathsgenie

Topic specific exam questions and solutions

## **Subject: SCIENCE**

Year:	7
Length of	Biology: 40 minutes
exam:	Chemistry: 35 minutes
	Physics: 40 minutes
Topics /	7A Cells, Tissues, Organs and Organ Systems
skills being	7B Sexual Reproduction in Animals
assessed:	7E Mixtures and Separation
	7F Acids and Alkalis
	71 Energy
	7J Current Electricity
Best	Year 7 Science Revision Guide found on Show My Homework.
sources for	BBC Bitesize.
revision:	

Year:	8
Length of	Biology:
exam:	Chemistry:
	Physics:
Topics /	8A Food and Nutrition
skills being	8B Plants and Their Reproduction
assessed:	8E Combustion
	8F The Periodic Table
	8I Fluids
	8J Light
Best	Year 8 Science Revision Guide found on Show My Homework.
sources for	BBC Bitesize.
revision:	

Year:	9
Length of	Two 1.5h exams. 9C1 and 9C2 separate sciences. 9C3-9A4 Combined Sciences.
exam:	
Topics /	Biology: Key concepts topic including cells, enzymes and transport, Cells and
skills being	control topic including mitosis, growth and nervous system.
assessed:	<ul> <li>Chemistry: Key concepts including atomic structure, periodic table, ionic bonding, covalent bonding, metallic bonding, types of substance. States of matter and Mixtures, Acids and Alkalis.</li> <li>Physics: Conservation of energy, Waves, Light and the electromagnetic spectrum</li> <li>Combined Science: Key concepts, Cells and control and Genetics (all Biology). Key concepts including atomic structure, periodic table, ionic bonding, covalent bonding, metallic bonding and types of substance. Also States of matter and Mixtures, (Chemistry). Conservation of energy, Waves, Light and the electromagnetic spectrum (Physics).</li> </ul>
Best	CGP revision guides Edexcel 9-1 Biology, Chemistry and Physics OR Edexcel 9-1
sources for	Combined Science.
revision:	Seneca website.
	GCSE bitesize EDEXCEL exam board.

Year:	10
Length of	Three exams: 10C1 and 10C2 (separate sciences) 1h45 min exams, 10C3 to 10A3
exam:	(Combined Science) 1h10min exams.
Topics / skills being assessed:	<ul> <li>Biology: Key concepts, Cells and control, Genetics, Natural selection and genetic modification, Health, disease and the development of medicines (Paper 1 topics).</li> <li>Chemistry: Atomic structure, Periodic table, Ionic bonding, Covalent bonding, Metallic bonding, Types of substance. States of matter and methods of separation, Acids and Alkalis, Calculations involving masses, Electrolysis, Obtaining and using metals, Transition metals, Yields and Atom economy, Titrations and concentration (Paper 1 topics).</li> <li>Physics: Motion, Motion and forces, Conservation of energy, Waves, Light and the electromagnetic spectrum, Radioactivity and Astronomy (Paper 1 topics).</li> <li>Combined Science:</li> <li>Key concepts, Cells and control, Genetics, Natural selection and genetic modification, Health, disease and the development of medicines (Paper 1 Biology topics)</li> <li>Atomic structure, Periodic table, Ionic bonding, Covalent bonding, Metallic bonding, Types of substance. States of matter and methods of separation, Acids and Alkalis, Calculations involving masses, Electrolysis, Obtaining and using metals, Reversible reactions (Paper 1 Chemistry)</li> </ul>
	<ul> <li>Motion, Motion and forces, Conservation of energy, Waves, Light and the electromagnetic spectrum, Radioactivity (Paper 1 Physics).</li> </ul>
Best	<ul> <li>CGP revision guides Edexcel 9-1 Biology, Chemistry and Physics OR Edexcel 9-1</li> </ul>
sources for	Combined Science.
revision:	Seneca website.
	GCSE bitesize EDEXCEL exam board.